

CLAIMS:

1. A method for testing a film sample, comprising:  
     securing the sample to the top end of a column,  
     lowering a stylus to contact the sample until  
 movement of the stylus is not possible without movement of the  
 sample,  
     recording a vertical height of the stylus,  
     moving the stylus downward until the sample  
 ruptures,  
     measuring the distance traveled by the stylus from  
 the starting point and the rupture point, and  
     measuring the force applied by the force applied  
 by the stylus at rupture.
2. The method of claim 1, wherein the stylus is  
 lowered at a constant speed.
3. The method of claim 2, wherein said constant speed  
 is 508.0 mm/min.
4. The method of claim 1, wherein the sample is a  
 glove finger.
5. The method of claim 1, wherein the sample is taken  
 from a glove palm or glove cuff.
6. The method of claim 1, wherein the sample is a  
 uniform thickness film.
7. The method of claim 1, further comprising  
 calculating the rupture strength of the sample by using the  
 formula:

$$(0.5) * \left( \frac{\text{Stylus Travel Distance}}{\text{at Rupture}} \right) * \left( \frac{\text{Stylus Force}}{\text{at Rupture}} / \frac{\text{Sample}}{\text{Thickness}} \right)$$

8. The method of claim 1, further comprising forming an aperture in the bottom of said column for vacuum protecting.

9. The method of claim 1, wherein said column has a diameter of 30 mm and said stylus has a diameter of 7 mm.

10. A method for calculating the penetration depth of a blunt object for a film sample, comprising:

securing the sample to the top end of a column,  
lowering a stylus to contact the sample until movement of the stylus is not possible without movement of the sample,

recording a vertical height of the stylus,  
moving the stylus downward until the sample ruptures, and

measuring the distance traveled by the stylus from the starting point and the rupture point.

11. The method of claim 10, wherein the stylus is lowered at a constant speed.

12. The method of claim 11, wherein said constant speed is 508.0 mm/min.

13. The method of claim 10, wherein the sample is a glove finger.

14. The method of claim 10, wherein the sample is taken from a glove palm or glove cuff.

15. The method of claim 10, wherein the sample is a uniform thickness film.

21